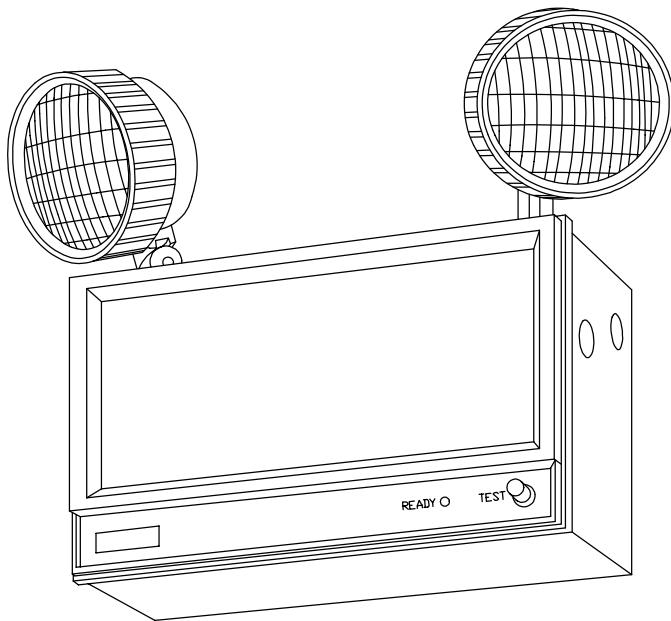


INSTALLATION INSTRUCTIONS

ELU 4/ELU 4N/ELU 8 EMERGENCY LIGHTING UNIT

CAUTION: For safety and proper operation, read and follow instructions carefully before installation.

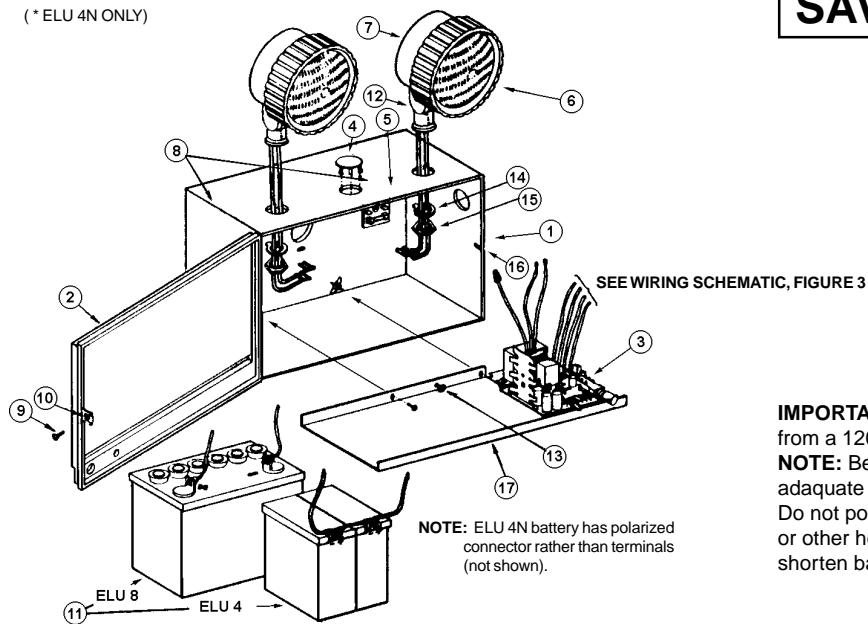


PARTS DESCRIPTION

- | | |
|-------------------------|---|
| ① Housing | ⑩ Clip |
| ② Hinged Front | ⑪ Battery |
| ③ Charger Board | ⑫ Lamp Swivel |
| ④ Hole Plug | ⑬ Green Ground Screw
(for battery chassis) |
| * ⑤ Terminal Board | ⑭ Stop Washer |
| ⑥ Lamp Bezel | ⑮ Lock Nut |
| ⑦ Lamp Housing | ⑯ Housing Slot |
| ⑧ Keyway Mounting Holes | ⑰ Battery Chassis |
| ⑨ Closure Screw | |

(* ELLI4N ONLY)

(* ELU 4N ONLY)



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IMPORTANT SAFEGUARDS

1. READ AND FOLLOW ALL SAFETY INSTRUCTIONS

2. Do not use outdoors.
 3. Do not let power supply cords touch hot surfaces.
 4. Do not mount near gas or electric heater.
 5. Use caution when servicing batteries. Battery acid can cause burns to skin and eyes. If acid is spilled on skin or in eyes, flush acid with fresh water and contact physician immediately.
 6. Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
 7. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
 8. Do not use this equipment for other than intended use.
 9. Before wiring to power supply, turn off electricity at fuse or circuit breaker.
 10. Refer to wiring diagrams for proper connections.
 11. Consult your local building code for approved wiring.
 12. Fixture must be grounded to avoid potential electric shock.
 13. Disconnect AC power and unplug battery before servicing.
 14. All servicing should be performed by qualified personnel.
 15. CAUTION: Halogen cycle lamp(s) may be used in this fixture. To avoid shattering, do not operate lamp in excess of rated voltage. Protect lamp against liquids when lamp is operating. Dispose of lamps with care. Halogen lamps operate at high temperatures. Do not store or place flammable materials near lamps.

SAVE THESE INSTRUCTIONS

IMPORTANT: Provide each unit with a single unswitched power supply from a 120V or 277V branch circuit used for normal lighting.

NOTE: Before installation, make sure unit is located to assure adequate clearance for the hinged front (2) and lamp head (7) orientation. Do not position unit where it will be exposed to direct sunlight, radiators or other heat sources. Prolonged exposure to high temperatures will shorten battery life and void warranty.

INSTALLATION

Note: Use fasteners with a minimum pullout rating of 30 pounds.

1. **MOUNTING:** This unit may be surface wired or mounted over a J-box. Install two fasteners into the keyway mounting holes **⑧**. Install a third fastener into the lower center hole. For surface wiring, a 7/8" diameter pre-notched cutout is provided on one side of the housing **①**. This cutout should be removed by sawing.

Note: For surface mount with rigid conduit use 1 3/8" flat washer (provided) to support inside wall of conduit entry knockout. Insert conduit coupling into knockout. From inside of housing ① slide flatwasher over coupling threads flush to housing wall. Secure with conduit fitting locknut.

2. **LAMP HEAD ASSEMBLY:** Select head location and plug all unused holes with hole plugs ④ provided. Place swivel ⑫ in selected housing mounting hole. Locate stop washer ⑯ on swivel with index tabs facing toward lamp head. Screw lock nut ⑮ onto swivel finger until lamp head is in desired position. Lamp head can be adjusted on swivel by loosening swivel screw, setting lamp position, and tightening swivel to lock in position.

WIRING

1. Connect AC input leads as follows:
120V AC - BLACK AND WHITE TRANSFORMER LEADS
277V AC - BROWN, OR ORANGE AND WHITE TRANSFORMER LEADS

Note: Unused lead must be properly insulated with wirenut or other approved method.

2. **ELU4 and ELU8:** Connect lamp head leads to charger board ③ (see Fig. 3). Remote lamp head(s) are connected using remote lamp leads supplied in prepack. Connect remote lamp leads to charger board ③ . Connect stripped end of leads to remote leads using wirenut or other approved method.

ELU4N: Connect lamp head leads to terminal board ⑤ (see Fig. 2). Remote lamp head(s) must be connected to screw terminals on terminal board ⑤.

3. **ELU4N:** Connect charger board ③ lead(s) to terminal board (see Fig. 2).
 4. Place battery ⑪ in housing ① on battery chassis ⑯. Connect remaining battery and charger board leads as shown in (Fig. 2 for ELU4N) (Fig. 3 for ELU4 and ELU8).

CAUTION: Be sure red lead is connected to positive terminal and blue lead is connected to negative terminal (ELU4 and ELU8 only).

CAUTION: Damage to battery will occur if battery is connected to charger board for a prolonged period of time without AC power provided.

5. Close front ② by placing closure screw ⑨ in housing slot ⑯, and tighten screw into clip ⑩.

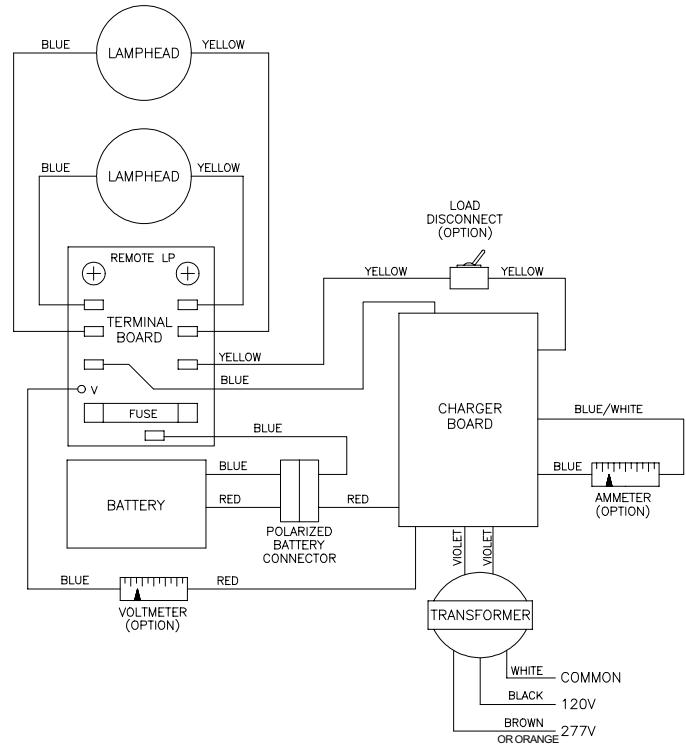


Figure2 Wiring Diagram ELU4N Only

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INSPECTION AND MAINTENANCE

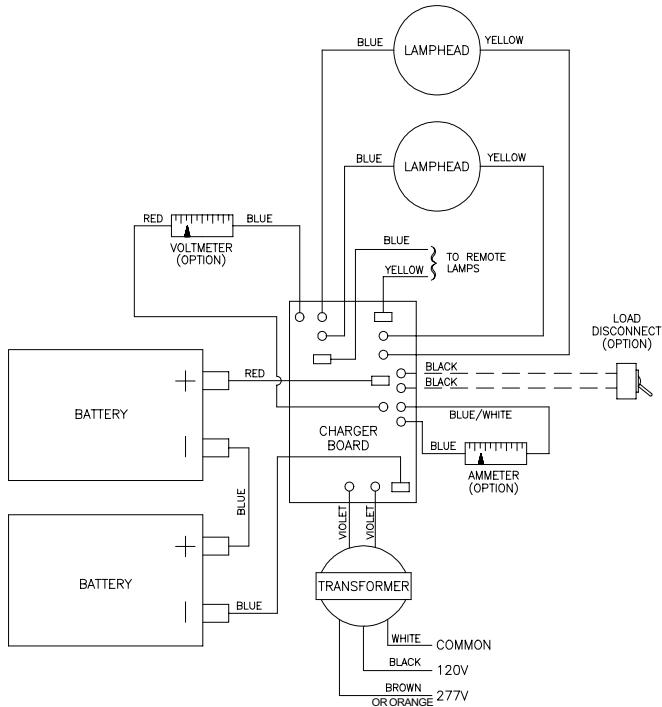


Figure3 Wiring Diagram ELU4 and ELU8

Note: Emergency systems should be tested as often as local codes require, or at least quarterly, to ascertain that all components are operational.

- A. **NORMAL OPERATION:** When unit is functioning properly, with power applied to it, the "READY" light will be on.
 - B. **TO TEST:** Push "TEST" button. Lamps should light and "READY" light should go out.
 3. **LAMP REPLACEMENT:** If a lamp requires replacement, rotate bezel ⑥ counterclockwise, pushing bezel slightly toward housing ⑦. When bezel tab hits the stop on housing, pull forward and bezel will disengage. Lift out lamp, remove wire harness leads from lamp terminals and reconnect an identical replacement lamp. Slide bezel tabs in housing slots and rotate clockwise until tab hits stop on lamp housing.
 4. **BATTERY REPLACEMENT:** Remove leads from battery terminals (ELU4 and ELU8) or unplug the polarized battery connector (ELU4N). Replace battery only with manufacturer's recommended replacement. Connect leads as shown (Fig. 2 for ELU4N) (Fig. 3 for ELU4 and ELU8).

CAUTION: Make sure red lead is connected to positive (+) terminal and blue lead is connected to negative (-) terminal (ELU4 and ELU8 only).

Note: Allow battery to charge 24 hours before initial testing, and 168 hours to fully charge battery.

Note: To ensure proper battery replacement, use part number on battery replacement label.

5. **CHARGER BOARD REPLACEMENT:** Disconnect wiring as shown (Fig. 2 for ELU4N) (Fig. 3 for ELU4 and ELU8). Charger Board ③ is secured to battery chassis ⑦ by two nylon standoffs. Depress standoff flanges and lift board from chassis. Install replacement charger board and reconnect wiring as shown in (Fig. 2 for ELU4N) (Fig. 3 for ELU4 and ELU8).

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**WARRANTY
THREE-YEAR TOTAL CUSTOMER SATISFACTION**

Complete Customers' Satisfaction...This unit is guaranteed to perform to our customers' complete satisfaction for a period of three years from date of invoice. Our guarantee covers any defect in manufacturing, provided the defect developed under normal and proper use. This liability does not include lamps, and extends only to replacement of the defective part. Labor charges will be honored by the factory only with prior written approval from our Marketing Services Department.





LITHONIA LIGHTING

EMERGENCY LIGHTING SYSTEMS

ONE LITHONIA WAY, DECATUR, GEORGIA 30035, TELEPHONE 770 987-4200, FAX 770 981-8141
IN CANADA: 1100 50TH AVE., LACHINE, QUEBEC H8T 2V3, DIVISION OF N.S.I. HOLDINGS, INC.

Part no. **EMCSA00601** REV A

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